

EPOXYCOTE UW

SAFETY DATA SHEET

1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION OF THE COMPANY/UNDERTAKING

Product Name: **Epoxycote UW BASE**

Application: Base component of epoxy Coating for potable water retaining Structure

Company: **Bostik (India) Pvt. Ltd.**

Address: Plot No 16 B&C.KIADB.Bommasandra Industrial Area, Off Hosur Road, Anekal Taluk,, Bangalore 560099. Telephone : 080 27833520 Fax: 080 27832405.

E-mail bostikinfo.india@bostik.com

2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition: epoxy resin

Hazardous Ingredients (s) :	Symbol:	Risk Phrases	Other information	%
epoxy resin (number average molecular weight < 700)	Xi	R36/38,43	Cas No:25068-38-6	>50

All constituents of this product are listed in EINECS (European Inventory of Existing Commercial Chemical Substances) or ELINCS (European List of New Chemical Substances) or are exempt.

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

Irritating to eyes and skin

May Cause sensitisation by skin contact.

4: FIRST AID MEASURES

Eyes: Irrigate immediately with copious quantities of water for several minutes. Obtain medical attention if irritation persists.

Skin: Wash thoroughly with soap and water or suitable skin cleanser as soon as possible. Obtain medical advice if skin disorders develop

Inhalation: Remove from exposure. If feeling unwell obtain medical attention.

Ingestion: Obtain medical attention. Do NOT induce vomiting. Beware of aspiration if vomiting occurs.

5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide, powder, foam or water fog - Do not use water jets.

Special Exposure Hazards: Toxic fumes . For further information see section 10

Special Protective Equipment: Self-contained breathing apparatus

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear suitable protective clothing, gloves and eye/face protection.

Environmental Precautions: Prevent entry into drains, sewers and water courses.

Decontamination Procedures: Soak up with inert absorbent or contain and remove by best available means. Dispose of as waste.

7: HANDLING AND STORAGE

Handling: Maintain good standards of personal hygiene. Avoid skin and eye contact. Do not eat, drink or smoke whilst using this product. Ensure adequate ventilation.

Storage: Keep containers dry and tightly closed.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits : None assigned Substance

Engineering Control Measures: No specific ventilation requirement noted.

Personal Protective Measures: Impervious gloves (e.g. PVC). Safety glasses/goggles.

Change contaminated clothing and clean before re-use.

9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Liquid
Colour	: Pigmented
Odour	: Mild
pH (concentrate)	: Not applicable (non-aqueous)
Boiling Point/Range (°C)	: > 200 °C
Flash Point (closed, °C)	: 110
Autoflammability (°C)	: Not determined
Explosive Properties (%)	: Not determined
Vapour Pressure (kPa at 20°C)	: 0.01
Relative Density (at 20°C)	: ~1.7
Water Solubility	: Insoluble
Fat Solubility	: Not determined

10: STABILITY AND REACTIVITY

Stability: Stable: reacts with compounds containing amino, hydroxyl or carboxyl groups to give stable, cross linked materials

Conditions to Avoid: None Known

Material to Avoid: Strong acids. Strong alkalis. Strong oxidising agents.

Hazardous Decomposition Products: Thermal decomposition: - Oxides of carbon. Irritant fumes.

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on a knowledge of the toxicity of the product's components : Expected Oral LD50, rat >2g/kg

Health Effects

On Eyes: May cause transient irritation.

On Skin: Irritation. may cause sensitisation.

By Inhalation: May cause irritation of mouth, throat and digestive tract.

By Ingestion: May cause irritation of mouth, throat and digestive tract.

Chronic: Repeated and prolonged skin contact may lead to skin disorders..

12: ECOLOGICAL INFORMATION

Environmental Assessment: When used and disposed of as intended, no adverse environmental effects are foreseen.

Mobility: Mobile liquid. Insoluble in water

Persistence and Degradability: Expected to be not readily biodegradable

Bioaccumulative Potential: Not expected to be bioaccumulative.

Ecotoxicity: Expected to be ecotoxic to fish / daphnia / algae.

13: DISPOSAL CONSIDERATIONS

Disposal must be in accordance with local and national legislation.

Unused Product: Dispose of through an authorised waste contractor to a licensed site.

Used/Contaminated Product: As for Unused product.

Packaging: Must be disposed of through an authorised waste contractor.

14: TRANSPORT INFORMATION

This product is NOT classified as dangerous for transport.

15: REGULATORY INFORMATION

Hazard Label Data:

Named Ingredients epoxy resin (number average molecular weight < 700)

Symbols Xi

Risk Phrases: Irritating to eyes and skin

May cause sensitisation by skin contact.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After contact with skin, wash immediately with plenty soap and water.

Wear suitable gloves and eye / face protection contain epoxy constituents See information supplied by the manufacturer

EC Directives: Dangerous Substances Directive 67/548/EEC and adaptations.

Dangerous Preparations Directive, 88/379/EEC.

Safety Data Sheets, 91/155/EEC.

Statutory Instruments: Chemicals (Hazard Information and Packaging) Regs. 1993 (SI 1746).

Control of Substances Hazardous to Health Regs. 1988 (SI 1657).

Health & Safety at Work, etc Act 1974.

Codes of Practice: Waste Management. The Duty of Care.

Guidance Notes: Occupational exposure limits (EH 40).

The above publications are available from HMSO.

16: OTHER INFORMATION

The data and advice given apply when the product is used for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. The product should not be used other than for the stated application or applications without seeking advice from Bostik India P Ltd.

If this product has been purchased for supply to a third party for use at work, it is the purchaser's duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

It is the responsibility and duty of the employer to inform employees and others who may be affected of any hazards described in this sheet and of any precautions which should be taken.

This sheet does not constitute or substitute for the users own assessment of workplace risk, as required by other health and safety legislation.

EPOXYCOTE UW

SAFETY DATA SHEET

1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION OF THE COMPANY/UNDERTAKING

Product Name: **Epoxycote UW HARDENER**

Application: Hardener component of epoxy Coating for potable water retaining Structure

Company: **Bostik (India) Pvt. Ltd.**

Address: Plot No 16 B&C.KIADB.Bommasandra Industrial Area, Off Hosur Road,
Anekal Taluk,, Bangalore 560099. Telephone : 080 27833520 Fax: 080 27832405.

E-mail bostikinfo.india@bostik.com

2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition:

Hazardous Ingredients (s)	Symbol	Risk Phrases	Other information	%
Diamine	C	R21/22,34,43	Cas No: 2855-13-2	>50<100

All constituents of this product are listed in EINECS (European Inventory of Existing Commercial Chemical Substances) or ELINCS (European List of New Chemical Substances) or are exempt.

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

Causes burns

Harmful by inhalation, in contact with skin and if swallowed.

May cause sensitisation by skin contact.

4: FIRST AID MEASURES

Eyes: Wash immediately with copious quantities of water for several minutes. Obtain medical attention if irritation persists.

Skin: Wash thoroughly with soap and water or suitable skin cleanser as soon as possible. Obtain medical advice if skin disorders develop

Inhalation: Remove from exposure. If feeling unwell obtain medical attention.

Ingestion: Obtain medical attention. Do NOT induce vomiting. Beware of aspiration if vomiting occurs.

5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide, powder, foam or water.

Special Exposure Hazards: Toxic fumes. Nitrogen compounds. For further information see section 10

Special Protective Equipment: Self contained breathing apparatus

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear suitable protective clothing, gloves and eye/face protection.

Environmental Precautions: Prevent entry into drains, sewers and water courses.

Decontamination Procedures: Soak up with inert absorbent or contain and remove by best available means. Gather into containers. Dispose of as waste. Clean contaminated area with water.

7: HANDLING AND STORAGE

Handling: Avoid breathing vapours. Maintain good standards of personal hygiene. Avoid skin and eye contact. Do not eat, drink or smoke whilst using this product. Ensure adequate ventilation.

Storage: Keep away from foodstuff and food containers. Keep containers dry and tightly closed.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Substance	8 Hour	TWA	STEL	Source / Other information
xylylene, mixed isomers	435mgm ⁻³	650 mgm ⁻³		EH40

Engineering Control Measures: Use only in well ventilated areas. Local exhaust ventilation is recommended.

Personal Protective Measures: Avoid skin and eye contact. Impervious gloves (e.g. PVC). Safety glasses/goggles. Change contaminated clothing and clean before re-use.

9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Liquid
Colour	: Straw
Odour	: Amine
Boiling Point/Range (°C)	: 140 - 180
Flash Point (closed, °C)	: 57
Autoflammability (°C)	: Not determined
Autoignition temperature	: >300
Oxidising Properties	: Not determined
Explosive Properties (%):	
Lower explosive limit (LEL)	: 1.1%
Upper explosive limit (UEL)	: 13%
Vapour Pressure (kPa at 20°C)	: 0.01
Relative Density (at 20°C)	: ~1.15
Water Solubility	: Insoluble

10: STABILITY AND REACTIVITY

Stability: Stable if used as directed.

Conditions to Avoid: Any source of ignition. Temperatures ($^{\circ}\text{C}$) below 0°C

Material to Avoid: Strong oxidising agents. Strong acids. Strong alkalis

Hazardous Decomposition Products: Oxides of carbon. Nitrogen compounds, in some fire circumstances, hydrogen cyanide.

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on a knowledge of the toxicity of the product's components : Expected Oral LD50, rat 1030mg/kg

Health Effects

On Eyes: Causes irreversible damage to eye tissue if not removed promptly.

On Skin: Corrosive - may cause burns. May cause - sensitisation.

By Inhalation: Harmful by inhalation. May cause respiratory irritation. Vapours may cause headaches, dizziness and central nervous system depression.

By Ingestion: May cause irritation of mouth, throat and digestive tract. Ingestion of significant amounts may result in severe systemic effects.

Chronic: Repeated and prolonged skin contact may result in severe irritation leading to burns.

12: ECOLOGICAL INFORMATION

Environmental Assessment: When used and disposed of as intended, no adverse environmental effects are foreseen.

Mobility : Mobile liquid. Insoluble in water

Persistence and Degradability: Expected to be not readily biodegradable

Bioaccumulative Potential: Not Known

Ecotoxicity: Ecotoxic to fish / daphnia / algae. not expected to be inhibitory to sewage bacteria.

13: DISPOSAL CONSIDERATIONS

Disposal must be in accordance with local and national legislation.

Unused Product: Dispose of through an authorised waste contractor to a licensed site.

Used/Contaminated Product: As for Unused product.

Packaging: Must be disposed of through an authorised waste contractor.

14: TRANSPORT INFORMATION

UN/SI Number 2924

IMO : Class 3 (8) Packing Group III Marine pollutant: No

IATA/CAO : Class 3 (8) Packing Group III

ADR Class 3 Item : 33(c)
Transport Name : Flammable liquid, corrosive, nos. (diamine mixture)
Hazchem / Kemler Code : 3W / 338

15: REGULATORY INFORMATION

Hazard Label Data:

Named Ingredients Isophorone Diamine , Benzyl Alcohol

UN Number : 2924

Symbols C

Risk Phrases: causes burns

Harmful by inhalation in contact with skin and if swallowed. may cause sensitisation by skin

Safety Phrases Avoid contact with skin and eyes.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After contact with skin, wash immediately with plenty soap and water.

Wear suitable gloves and eye / face protection protection

In case of contact with eyes rinse immediately with plenty of water and seek medical advice.

EC Directives: Dangerous Substances Directive 67/548/EEC and adaptations.

Dangerous Preparations Directive, 88/379/EEC.

Safety Data Sheets, 91/155/EEC.

Statutory Instruments: Chemicals (Hazard Information and Packaging) Regs. 1993 (SI 1746).

Control of Substances Hazardous to Health Regs. 1988 (SI 1657).

Health & Safety at Work, etc Act 1974.

Codes of Practice: Waste Management. The Duty of Care.

Guidance Notes: Occupational exposure limits (EH 26).

The above publications are available from HMSO.

16: OTHER INFORMATION

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Our Authorized Distributors



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